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United States Patent [19][11] **Patent Number:** **5,963,743****Amberg et al.**[45] **Date of Patent:** **Oct. 5, 1999**

[54] **DATABASE FOR FACILITATING SOFTWARE
INSTALLATION AND TESTING FOR A
BUILD-TO-ORDER COMPUTER SYSTEM**

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[57] **ABSTRACT**

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[52] **U.S. Cl.** **395/712; 707/104**

[58] **Field of Search** 395/712, 651,
395/652, 653; 707/104

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An apparatus for installing software onto a computer system includes a step table and a component table. The step table contains a set of software installation steps shared among different components of substantially all computer systems being manufactured. The component table contains a set of substantially all possible components that are included within computer systems being manufactured. The computer system corresponds to a family of computer systems and the apparatus further includes a family relation table, a family relation table and a family component relation table. The family relation table identifies the relationship between a set of software installation steps and each family of computer system being manufactured. The family component relation table identifies the relationship between the family of computer systems and the set of components. The family step relation table identifies the relation between a component and a set of software installation steps appropriate for the corresponding component.

55 Claims, 7 Drawing Sheets